

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1-128. (Canceled)

129. (Currently Amended) A light emitting device comprising:

~~an anode~~ a first electrode;

~~a cathode~~ a second electrode;

a hole transporting region comprising a hole transporting material adjacent to the first electrode;

an electron transporting region comprising an electron transporting material adjacent to the second electrode;

a light emitting region comprising an organic compound interposed between ~~the anode and the cathode~~ the hole transporting region and the electron transporting region, the light emitting region having a capability of transporting both holes and electrons; and

a dopant included only ~~[[partly]]~~ in a portion of the light emitting region.

130. (Currently Amended) A light emitting device comprising:

an anode;

a cathode;

a hole transporting region comprising a hole transporting material adjacent to the anode;

an electron transporting region comprising an ~~[[the]]~~ electron transporting material adjacent to the cathode;

a light emitting region comprising an organic compound interposed between the hole transporting region and the electron transporting region, said light emitting region having a capability of transporting both holes and electrons; and

a dopant included only **[[partly]]** in a portion of the light emitting region.

131. (Currently Amended) A light emitting device comprising:

an anode;

a cathode;

a hole transporting region comprising a hole transporting material adjacent to the first electrode;

an electron transporting region comprising an electron transporting material adjacent to the second electrode;

a light emitting region comprising an organic compound interposed between ~~the anode and the cathode~~ the hole transporting region and the electron transporting region, the light emitting region having a capability of transporting both holes and electrons; and

a dopant included only **[[partly]]** in a portion of the light emitting region, wherein the dopant is a triplet light emitting material.

132. (Currently Amended) A light emitting device comprising:

an anode;

a cathode;

a hole transporting region comprising a hole transporting material adjacent to the anode;

an electron transporting region comprising an **[[the]]** electron transporting material adjacent to the cathode;

a light emitting region comprising an organic compound interposed between the hole transporting region and the electron transporting region, said light emitting region having a capability of transporting both holes and electrons; and

a dopant included only **[[partly]]** in a portion of the light emitting region,

wherein the dopant is a triplet light emitting material, and
wherein the light emitting region includes a host to the dopant.

133. (Currently Amended) A light emitting device comprising:

an anode a first electrode;

a cathode a second electrode;

a hole transporting region comprising a hole transporting material adjacent to the first
electrode;

an electron transporting region comprising an electron transporting material adjacent to
the second electrode;

a light emitting region comprising an organic compound interposed between ~~the anode~~
~~and the cathode~~ the hole transporting region and the electron transporting region, the light
emitting region having a capability of transporting both holes and electrons; and

a dopant included only in ~~an intermediate region~~ a central portion of the light emitting
region.

134. (Currently Amended) A light emitting device comprising:

an anode;

a cathode;

a hole transporting region comprising a hole transporting material adjacent to the anode;

an electron transporting region comprising an ~~[[the]]~~ electron transporting material
adjacent to the cathode;

a light emitting region comprising an organic compound interposed between the hole
transporting region and the electron transporting region, said light emitting region having a
capability of transporting both holes and electrons; and

a dopant included in only ~~an intermediate region~~ a central portion of the light emitting
region.

135. (Currently Amended) A light emitting device comprising:

an anode;

a cathode;

a hole transporting region comprising a hole transporting material adjacent to the anode;

an electron transporting region comprising an electron transporting material adjacent to the cathode;

a light emitting region comprising an organic compound interposed between ~~the anode and the cathode~~ the hole transporting region and the electron transporting region, the light emitting region having a capability of transporting both holes and electrons; and

a dopant included in only ~~an intermediate region~~ a central portion of the light emitting region,

wherein the dopant is a triplet light emitting material.

136. (Currently Amended) A light emitting device comprising:

an anode;

a cathode;

a hole transporting region comprising a hole transporting material adjacent to the anode;

an electron transporting region comprising an ~~[[the]]~~ electron transporting material adjacent to the cathode;

a light emitting region comprising an organic compound interposed between the hole transporting region and the electron transporting region, said light emitting region having a capability of transporting both holes and electrons; and

a dopant included in only ~~an intermediate region~~ a central portion of the light emitting region,

wherein the dopant is a triplet light emitting material, and

wherein the light emitting region includes a host to the dopant.

137. (Currently Amended) A light emitting device according to claim 129, ~~further comprising; a hole transporting region comprising a hole transporting material adjacent to the anode~~ wherein at least one of the first electrode and the second electrode is light-transmissive.

138. (Currently Amended) A light emitting device according to claim ~~[[129]]~~ 130, ~~further comprising; an electron transporting region comprising the electron transporting material adjacent to the cathode~~ wherein at least one of the anode and the cathode is light-transmissive.

139. (Previously Presented) A light emitting device according to claim 129, wherein the light emitting region has a thickness of 30 nm or more.

140. (Previously Presented) A light emitting device according to claim 129, wherein the dopant is included in a thickness of 10 nm from a interface between the light emitting region and the anode or the cathode.

141. (Previously Presented) A light emitting device according to claim 129, wherein the light emitting device is an electric apparatus selected from a display device, a video camera, a digital camera, an image reproducing device, a mobile portable computer, a personal computer, a cellular phone, and an audio.

142. (Previously Presented) A light emitting device according to claim 130, wherein the light emitting region has a thickness of 30 nm or more.

143. (Previously Presented) A light emitting device according to claim 130, wherein the dopant is included in a thickness of 10 nm from an interface between the light emitting region and the hole transporting region or the electron transporting region.

144. (Previously Presented) A light emitting device according to claim 130, wherein the light emitting device is an electric apparatus selected from a display device, a video camera, a digital camera, an image reproducing device, a mobile portable computer, a personal computer, a cellular phone, and an audio.

145. (Currently Amended) A light emitting device according to claim 131, ~~further comprising: a hole transporting region comprising a hole transporting material adjacent to the anode~~ wherein at least one of the anode and the cathode is light-transmissive.

146. (Currently Amended) A light emitting device according to claim ~~[[131]] 132~~, ~~further comprising: an electron transporting region comprising the electron transporting material adjacent to the cathode~~ wherein at least one of the anode and the cathode is light-transmissive.

147. (Previously Presented) A light emitting device according to claim 131, wherein the light emitting region has a thickness of 30 nm or more.

148. (Previously Presented) A light emitting device according to claim 131, wherein the dopant is included in a thickness of 10 nm from an interface between the light emitting region and the anode or the cathode.

149. (Previously Presented) A light emitting device according to claim 131, wherein the light emitting device is an electric apparatus selected from a display device, a video camera, a digital camera, an image reproducing device, a mobile portable computer, a personal computer, a cellular phone, and an audio.

150. (Previously Presented) A light emitting device according to claim 132, wherein the light emitting region has a thickness of 30 nm or more.

151. (Previously Presented) A light emitting device according to claim 132, wherein the dopant is included in a thickness of 10 nm from a interface between the light emitting region and the hole transporting region or the electron transporting region.

152. (Previously Presented) A light emitting device according to claim 132, wherein the light emitting device is an electric apparatus selected from a display device, a video camera, a digital camera, an image reproducing device, a mobile portable computer, a personal computer, a cellular phone, and an audio.

153. (Currently Amended) A light emitting device according to claim 133, ~~further comprising a hole transporting region comprising a hole transporting material adjacent to the anode~~ wherein at least one of the first electrode and the second electrode is light-transmissive.

154. (Currently Amended) A light emitting device according to claim ~~[[133]] 134, further comprising an electron transporting region comprising the electron transporting material adjacent to the cathode~~ wherein at least one of the anode and the cathode is light-transmissive.

155. (Previously Presented) A light emitting device according to claim 133, wherein the light emitting region has a thickness of 30 nm or more.

156. (Previously Presented) A light emitting device according to claim 133, wherein the dopant is included in a thickness of 10 nm from a interface between the light emitting region and the anode or the cathode.

157. (Previously Presented) A light emitting device according to claim 133, wherein the light emitting device is an electric apparatus selected from a display device, a video camera, a digital camera, an image reproducing device, a mobile portable computer, a personal computer, a cellular phone, and an audio.

158. (Previously Presented) A light emitting device according to claim 134, wherein the light emitting region has a thickness of 30 nm or more.

159. (Previously Presented) A light emitting device according to claim 134, wherein the dopant is included in a thickness of 10 nm from an interface between the light emitting region and the anode or the cathode.

160. (Previously Presented) A light emitting device according to claim 134, wherein the light emitting device is an electric apparatus selected from a display device, a video camera, a digital camera, an image reproducing device, a mobile portable computer, a personal computer, a cellular phone, and an audio.

161. (Currently Amended) A light emitting device according to claim 135, ~~further comprising; a hole transporting region comprising a hole transporting material adjacent to the anode~~ wherein at least one of the anode and the cathode is light-transmissive.

162. (Currently Amended) A light emitting device according to claim ~~[[135]] 136, further comprising; an electron transporting region comprising the electron transporting material adjacent to the cathode~~ wherein at least one of the anode and the cathode is light-transmissive.

163. (Previously Presented) A light emitting device according to claim 135, wherein the light emitting region has a thickness of 30 nm or more.

164. (Previously Presented) A light emitting device according to claim 135, wherein the dopant is included in a thickness of 10 nm from an interface between the light emitting region and the anode or the cathode.

165. (Previously Presented) A light emitting device according to claim 135, wherein the light emitting device is an electric apparatus selected from a display device, a video camera, a digital camera, an image reproducing device, a mobile portable computer, a personal computer, a cellular phone, and an audio.

166. (Previously Presented) A light emitting device according to claim 136, wherein the light emitting region has a thickness of 30 nm or more.

167. (Previously Presented) A light emitting device according to claim 136, wherein the dopant is included in a thickness of 10 nm from an interface between the light emitting region and the hole transporting region or the electron transporting region.

168. (Previously Presented) A light emitting device according to claim 136, wherein the light emitting device is an electric apparatus selected from a display device, a video camera, a digital camera, an image reproducing device, a mobile portable computer, a personal computer, a cellular phone, and an audio.

169. (Previously Presented) A light emitting device according to claim 129, wherein the dopant comprises an organic compound.

170. (Previously Presented) A light emitting device according to claim 130, wherein the dopant comprises an organic compound.

171. (Previously Presented) A light emitting device according to claim 131, wherein the dopant comprises an organic compound.

172. (Previously Presented) A light emitting device according to claim 132, wherein the dopant comprises an organic compound.

173. (Previously Presented) A light emitting device according to claim 133, wherein the dopant comprises an organic compound.

174. (Previously Presented) A light emitting device according to claim 134, wherein the dopant comprises an organic compound.

175. (Previously Presented) A light emitting device according to claim 135, wherein the dopant comprises an organic compound.

176. (Previously Presented) A light emitting device according to claim 136, wherein the dopant comprises an organic compound.

177. (Currently Amended) A light emitting device according to claim 169, wherein the organic compound is at least one selected from the group of tris (2-phenylpyridine) iridium, 2, 3, 7, 8, 12, 13, 17, 18-octaethyl-21H, 23H-~~porpherin~~ porphyrin-platinum, perylene, rubrene, and 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran.

178. (Currently Amended) A light emitting device according to claim 170, wherein the organic compound is at least one selected from the group of tris (2-phenylpyridine) iridium, 2, 3, 7, 8, 12, 13, 17, 18-octaethyl-21H, 23H-~~porpherin~~ porphyrin-platinum, perylene, rubrene, and 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran.

179. (Currently Amended) A light emitting device according to claim 171, wherein the organic compound is at least one selected from the group of tris (2-phenylpyridine) iridium, 2, 3, 7, 8, 12, 13, 17, 18-octaethyl-21H, 23H-~~porpherin~~ porphyrin-platinum, perylene, rubrene, and 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran.

180. (Currently Amended) A light emitting device according to claim 172, wherein the organic compound is at least one selected from the group of tris (2-phenylpyridine) iridium, 2, 3, 7, 8, 12, 13, 17, 18-octaethyl-21H, 23H-~~porphyrin~~porphyrin-platinum, perylene, rubrene, and 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran.

181. (Currently Amended) A light emitting device according to claim 173, wherein the organic compound is at least one selected from the group of tris (2-phenylpyridine) iridium, 2, 3, 7, 8, 12, 13, 17, 18-octaethyl-21H, 23H-~~porphyrin~~porphyrin-platinum, perylene, rubrene, and 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran.

182. (Currently Amended) A light emitting device according to claim 174, wherein the organic compound is at least one selected from the group of tris (2-phenylpyridine) iridium, 2, 3, 7, 8, 12, 13, 17, 18-octaethyl-21H, 23H-~~porphyrin~~porphyrin-platinum, perylene, rubrene, and 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran.

183. (Currently Amended) A light emitting device according to claim 175, wherein the organic compound is at least one selected from the group of tris (2-phenylpyridine) iridium, 2, 3, 7, 8, 12, 13, 17, 18-octaethyl-21H, 23H-~~porphyrin~~porphyrin-platinum, perylene, rubrene, and 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran.

184. (Currently Amended) A light emitting device according to claim 176, wherein the organic compound is at least one selected from the group of tris (2-phenylpyridine) iridium, 2, 3, 7, 8, 12, 13, 17, 18-octaethyl-21H, 23H-~~porphyrin~~porphyrin-platinum, perylene, rubrene, and 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran.

185. (Previously Presented) A light emitting device according to claim 137, wherein the hole transporting material is at least one selected from the group of 4, 4'-bis [N-(3-methylphenyl)-N-phenyl-amino]-biphenyl, 4, 4'-bis [N-(1-naphthyl)-N-phenyl-amino]-biphenyl,

4, 4', 4''-tris (N, N-diphenyl-amino)-triphenylamine, and 4, 4', 4''-tris [N-(3-methylphenyl)-N-phenyl-amino]-triphenylamine.

186. (Previously Presented) A light emitting device according to claim 130, wherein the hole transporting material is at least one selected from the group of 4, 4'-bis [N-(3-methylphenyl)-N-phenyl-amino]-biphenyl, 4, 4'-bis [N-(1-naphthyl)-N-phenyl-amino]-biphenyl, 4, 4', 4''-tris (N, N-diphenyl-amino)-triphenylamine, and 4, 4', 4''-tris [N-(3-methylphenyl)-N-phenyl-amino]-triphenylamine.

187. (Previously Presented) A light emitting device according to claim 145, wherein the hole transporting material is at least one selected from the group of 4, 4'-bis [N-(3-methylphenyl)-N-phenyl-amino]-biphenyl, 4, 4'-bis [N-(1-naphthyl)-N-phenyl-amino]-biphenyl, 4, 4', 4''-tris (N, N-diphenyl-amino)-triphenylamine, and 4, 4', 4''-tris [N-(3-methylphenyl)-N-phenyl-amino]-triphenylamine.

188. (Previously Presented) A light emitting device according to claim 132, wherein the hole transporting material is at least one selected from the group of 4, 4'-bis [N-(3-methylphenyl)-N-phenyl-amino]-biphenyl, 4, 4'-bis [N-(1-naphthyl)-N-phenyl-amino]-biphenyl, 4, 4', 4''-tris (N, N-diphenyl-amino)-triphenylamine, and 4, 4', 4''-tris [N-(3-methylphenyl)-N-phenyl-amino]-triphenylamine.

189. (Previously Presented) A light emitting device according to claim 153, wherein the hole transporting material is at least one selected from the group of 4, 4'-bis [N-(3-methylphenyl)-N-phenyl-amino]-biphenyl, 4, 4'-bis [N-(1-naphthyl)-N-phenyl-amino]-biphenyl, 4, 4', 4''-tris (N, N-diphenyl-amino)-triphenylamine, and 4, 4', 4''-tris [N-(3-methylphenyl)-N-phenyl-amino]-triphenylamine.

190. (Previously Presented) A light emitting device according to claim 134, wherein the

hole transporting material is at least one selected from the group of 4, 4'-bis [N-(3-methylphenyl)-N-phenyl-amino]-biphenyl, 4, 4'-bis [N-(1-naphthyl)-N-phenyl-amino]-biphenyl, 4, 4', 4"-tris (N, N-diphenyl-amino)-triphenylamine, and 4, 4', 4"-tris [N-(3-methylphenyl)-N-phenyl-amino]-triphenylamine.

191. (Previously Presented) A light emitting device according to claim 161, wherein the hole transporting material is at least one selected from the group of 4, 4'-bis [N-(3-methylphenyl)-N-phenyl-amino]-biphenyl, 4, 4'-bis [N-(1-naphthyl)-N-phenyl-amino]-biphenyl, 4, 4', 4"-tris (N, N-diphenyl-amino)-triphenylamine, and 4, 4', 4"-tris [N-(3-methylphenyl)-N-phenyl-amino]-triphenylamine.

192. (Previously Presented) A light emitting device according to claim 136, wherein the hole transporting material is at least one selected from the group of 4, 4'-bis [N-(3-methylphenyl)-N-phenyl-amino]-biphenyl, 4, 4'-bis [N-(1-naphthyl)-N-phenyl-amino]-biphenyl, 4, 4', 4"-tris (N, N-diphenyl-amino)-triphenylamine, and 4, 4', 4"-tris [N-(3-methylphenyl)-N-phenyl-amino]-triphenylamine.

193. (Previously Presented) A light emitting device according to claim 138, wherein the electron transporting material is at least one selected from the group of tris (8-quinolinolato) aluminium, tris (4-methyl-8-quinolinolato) aluminium, bis (10-hydroxybenzo[h]-quinolinato) beryllium, bis (2-methyl-8-quinolinolato)-(4-phenylphenolate)-aluminium, bis [2-(2-hydroxyphenyl)-benzoxazolato] zinc, bis [2-(2-hydroxyphenyl)-benzothiazolato] zinc, 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1, 3, 4-oxadiazole, 1, 3-bis[5-(p-tert-butylphenyl)-1, 3, 4-oxadiazole-2-il] benzene, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-phenyl-1, 2, 4-triazole, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-(4-ethylphenyl)-1, 2, 4-triazole, bathophenanthroline, and bathocuproine.

194. (Previously Presented) A light emitting device according to claim 130, wherein the

electron transporting material is at least one selected from the group of tris (8-quinolinolato) aluminium, tris (4-methyl-8-quinolinolato) aluminium, bis (10-hydroxybenzo[h]-quinolinato) beryllium, bis (2-methyl-8-quinolinolato)-(4-phenylphenolate)-aluminium, bis [2-(2-hydroxyphenyl)-benzoxazolato] zinc, bis [2-(2-hydroxyphenyl)-benzothiazolato] zinc, 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1, 3, 4-oxadiazole, 1, 3-bis[5-(p-tert-butylphenyl)-1, 3, 4-oxadiazole-2-il] benzene, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-phenyl-1, 2, 4-triazole, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-(4-ethylphenyl-1, 2, 4-triazole, bathophenanthroline, and bathocuproine.

195. (Previously Presented) A light emitting device according to claim'146, wherein the electron transporting material is at least one selected from the group of tris (8-quinolinolato) aluminium, tris (4-methyl-8-quinolinolato) aluminium, bis (10-hydroxybenzo[h]-quinolinato) beryllium, bis (2-methyl-8-quinolinolato)-(4-phenylphenolate)-aluminium, bis [2-(2-hydroxyphenyl)-benzoxazolato] zinc, bis [2-(2-hydroxyphenyl)-benzothiazolato] zinc, 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1, 3, 4-oxadiazole, 1, 3-bis[5-(p-tert-butylphenyl)-1, 3, 4-oxadiazole-2-il] benzene, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-phenyl-1, 2, 4-triazole, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-(4-ethylphenyl-1, 2, 4-triazole, bathophenanthroline, and bathocuproine.

196. (Previously Presented) A light emitting device according to claim 132, wherein the electron transporting material is at least one selected from the group of tris (8-quinolinolato) aluminium, tris (4-methyl-8-quinolinolato) aluminium, bis (10-hydroxybenzo[h]-quinolinato) beryllium, bis (2-methyl-8-quinolinolato)-(4-phenylphenolate)-aluminium, bis [2-(2-hydroxyphenyl)-benzoxazolato] zinc, bis [2-(2-hydroxyphenyl)-benzothiazolato] zinc, 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1, 3, 4-oxadiazole, 1, 3-bis[5-(p-tert-butylphenyl)-1, 3, 4-oxadiazole-2-il] benzene, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-phenyl-1, 2, 4-triazole, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-(4-ethylphenyl-1, 2, 4-triazole, bathophenanthroline, and bathocuproine.

197. (Previously Presented) A light emitting device according to claim 154, wherein the electron transporting material is at least one selected from the group of tris (8-quinolinolato) aluminium, tris (4-methyl-8-quinolinolato) aluminium, bis (10-hydroxybenzo[h]-quinolinato) beryllium, bis (2-methyl-8-quinolinolato)-(4-phenylphenolate)-aluminium, bis [2-(2-hydroxyphenyl)-benzoxazolato] zinc, bis [2-(2-hydroxyphenyl)-benzothiazolato] zinc, 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1, 3, 4-oxadiazole, 1, 3-bis[5-(p-tert-butylphenyl)-1, 3, 4-oxadiazole-2-il] benzene, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-phenyl-1, 2, 4-triazole, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-(4-ethylphenyl-1, 2, 4-triazole, bathophenanthroline, and bathocuproine.

198. (Previously Presented) A light emitting device according to claim 134, wherein the electron transporting material is at least one selected from the group of tris (8-quinolinolato) aluminium, tris (4-methyl-8-quinolinolato) aluminium, bis (10-hydroxybenzo[h]-quinolinato) beryllium, bis (2-methyl-8-quinolinolato)-(4-phenylphenolate)-aluminium, bis [2-(2-hydroxyphenyl)-benzoxazolato] zinc, bis [2-(2-hydroxyphenyl)-benzothiazolato] zinc, 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1, 3, 4-oxadiazole, 1, 3-bis[5-(p-tert-butylphenyl)-1, 3, 4-oxadiazole-2-il] benzene, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-phenyl-1, 2, 4-triazole, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-(4-ethylphenyl-1, 2, 4-triazole, bathophenanthroline, and bathocuproine.

199. (Previously Presented) A light emitting device according to claim 162, wherein the electron transporting material is at least one selected from the group of tris (8-quinolinolato) aluminium, tris (4-methyl-8-quinolinolato) aluminium, bis (10-hydroxybenzo[h]-quinolinato) beryllium, bis (2-methyl-8-quinolinolato)-(4-phenylphenolate)-aluminium, bis [2-(2-hydroxyphenyl)-benzoxazolato] zinc, bis [2-(2-hydroxyphenyl)-benzothiazolato] zinc, 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1, 3, 4-oxadiazole, 1, 3-bis[5-(p-tert-butylphenyl)-1, 3, 4-oxadiazole-2-il] benzene, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-phenyl-1, 2, 4-triazole, 5-(4-

biphenyl)-3-(4-tert-butylphenyl)-4-(4-ethylphenyl)-1, 2, 4-triazole, bathophenanthroline, and bathocuproine.

200. (Previously Presented) A light emitting device according to claim 136, wherein the electron transporting material is at least one selected from the group of tris (8-quinolinolato) aluminium, tris (4-methyl-8-quinolinolato) aluminium, bis (10-hydroxybenzo[h]-quinolinolato) beryllium, bis (2-methyl-8-quinolinolato)-(4-phenylphenolate)-aluminium, bis [2-(2-hydroxyphenyl)-benzoxazolato] zinc, bis [2-(2-hydroxyphenyl)-benzothiazolato] zinc, 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1, 3, 4-oxadiazole, 1, 3-bis[5-(p-tert-butylphenyl)-1, 3, 4-oxadiazole-2-il] benzene, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-phenyl-1, 2, 4-triazole, 5-(4-biphenyl)-3-(4-tert-butylphenyl)-4-(4-ethylphenyl)-1, 2, 4-triazole, bathophenanthroline, and bathocuproine.